

ABSTRACT OF THE DISCLOSURE

The present invention relates to a head for recording/reading optical data and method of manufacturing the same. The present invention completely buries an aperture with a material a third non-linear coefficient of which is great in order to induce self-focusing. Thus, the present invention can reduce the amount of beam by about one half wavelength and focus the beam in a parabolic shape having almost no optical loss. Therefore, the present invention can improve the transmissivity of the probe by several hundreds times compared to a conventional optical fiber probe, by effectively exciting a near-field scanning optical microscopy for the aperture at an end portion of the probe.